



# **CMM**

## **the PBS archive add on for Purchasing**

**Manual Part B**

**- Display and Evaluation -**

Compatible with SAP R/3

- Enterprise

**SAP<sup>®</sup>** Certified  
Powered by SAP NetWeaver<sup>®</sup>

January 01, 2009

**© 1999 - 2009 PBS Software GmbH**

**Schwanheimer Strasse 144a**

**D-64625 Bensheim, Germany**

**Phone: +49 - 6251 - 174 0**

**Fax: +49 - 6251 - 174 174**

**email: [info@pbs-software.com](mailto:info@pbs-software.com)**

**Internet: [www.pbs-software.com](http://www.pbs-software.com)**



***PBS archive add ons*** is a registered trademark of PBS Software GmbH, Bensheim.

**SAP, R/3, mySAP ERP, SAP NetWeaver, ABAP** are registered trademarks of SAP AG, Walldorf/Baden.

**Acrobat Reader** is a registered trademark of Adobe Systems Incorporated.

## Introduction to the PBS ILM Concept

### *Information Lifecycle Management*

Information Lifecycle Management (ILM) means the administration of information related to the time when it is used, taking into account its total costs and compliance. A conclusive, efficient ILM concept must, as a result, control data growth, manage retention rules, and also ensure compliant data storage. Furthermore, an easy access to archived data is decisive and, for example, its transfer during internal and external audits.

### *PBS ILM Concept*

PBS software provides existing SAP customers extensive solutions to put into practice the requirements that were described above for a stringent and successful ILM concept. PBS is considered as an expert for complex, integrated data accesses to archived and database data and meanwhile, also to data that is located on decommissioned SAP systems. In addition to classical SAP data archiving, SAP BI-specific nearline storage is also supported.

### *PBS archive add ons®*

PBS archive add ons always rely on SAP archiving having been carried out successfully. This is the basis for a permanently high-performing SAP system. In principle, you can indeed retain posted documents in the SAP database for a very long time due to a large database capacity. Depending on the document volume, this may result, however, in massive performance losses and, sooner or later, heavily increasing operation costs. The daily backup becomes difficult for large data stocks, for example.

A convenient display and evaluation of archived transaction data – as the SAP user is used to for database data – can often only be carried out in a very restricted manner using SAP standard means depending on the application module. This is particularly the case for large archive data stocks. The PBS archive add ons can be used here. They can be provided for nearly all SAP modules and release levels, and start with a "C" (for *Complete*) in their description. For example, PBS archive add on CCOPA for the SAP module COPA.

Using the PBS archive add ons you can quickly and easily access your archived data even after data archiving during your day-to-day business. The unrestricted data access is realized by an intelligent indexing concept. It extends the SAP archive infrastructure components and integrates itself optimally with SAP archiving. Archive data that has been indexed can still be provided after a release upgrade immediately, without restrictions, and without migration effort. The PBS archive index is stored in sequential files of the SAP file system in the same way as the SAP archive data. Afterwards, you can access the archive data online via the familiar transactions. The SAP user can display the data from the SAP database and the archive data simultaneously via the PBS archive add on index. For the user, it seems as though the archived data is still in the SAP database.

The deep integration of the PBS transactions also enables direct navigation to subsequent and previous documents both within the indexed SAP module as well as to linked documents from other SAP modules. This applies not only for resident but also without restrictions for archived data. The benefit for the user increases the more PBS archive add ons are used.

The potential benefits of the ILM concept raises substantially if you take into account the savings that result from the SAP mirror systems. There are usually at least two of them meaning that the saved disk storage can be tripled by performing data archiving. Thus, time is saved for the data backup.

# Table of Contents

1	Introduction	6
2	Display Transactions	7
2.1	Overview	7
2.2	Transaction „Material Purchase Orders“	11
2.3	Transaction display ‘Purchase Order’	13
2.4	Printing of Documents from the PBS archive add on	15
2.5	Transaction „Purchase Requisition regarding Account Assignment“	17
2.6	Transaction 'Vendor Purchasing Info Records'	20
2.7	Transaction “Invoice Documents“	22
2.8	Transaction “Display Account Maintenance Document“	24
2.9	<a href="#">Transaction " Price Comparison List"</a>	<a href="#">24</a>
3	Adjustment of Customer Reports	31
3.1	Logical Databases	31
3.2	Access via Conversion Tool	31
4	SAP Queries	32

# 1 Introduction

The **PBS archive add ons** are constructed in modular form and cover the application modules FI, SD, MM, CO etc. with a special program package for exactly this application. You can easily see from the name which *PBS archive add on* belongs to which SAP module: CFI, CSD, CMM, CCO etc. All *PBS archive add ons* have in common that they can be easily installed in the SAP R/3 system via the SAP transport utilities "tp" and "SAINT". For installation details of the *PBS archive add ons* please see the specific installation manual (manual part A).

This administration manual was written to make construction and administration of the *PBS archive add on CMM* as easy as possible. At first, data archiving with transaction SARA is discussed; the second topic is the PBS index construction from the SAP archive files.

The modular user manual of each *PBS archive add on* is composed of partial manuals:

- Part A: Installation
- Part B: Administration, Archive Construction and Maintenance
- Part C: Application Programs / Transactions
- Part D: Migration Support R/2 => R/3 (if available)

There are additional manuals for the PBS utilities: Conversion Tool, Archive Browser, Translation Tool.

Should you have questions regarding the installation of the *PBS archive add ons* or if you have problems when installing the software please call directly the **Service Hotline of PBS Software GmbH**:

Phone: +49 - 6251 - 174 110  
Fax: +49 - 6251 - 174 174  
email: [hotline@pbs-software.com](mailto:hotline@pbs-software.com)

## Release Compatibility

The **PBS archive add on CMM** discussed in this manual runs with the basis programs of SAP AG, D-69190 Walldorf/Baden, R/3 system, **R/3 Enterprise**.

## 2 Display Transactions

### 2.1 Overview

The archive add on CMM provides the user in the online operation with purchasing documents which have been removed from the R/3 database by the document re-organization with transaction SARA. In the same way, migrated R/2 documents can be displayed as well, which have been transferred into the PBS archive add on (see manual B). Version 2.0 provides the following display transactions reading not only documents from the operative tables of the SAP system but also documents from the PBS archive.

PBS 3.X	PBS 4.X, Enterprise	SAP	Transaction description
	/PBS/CMM13		Fast access invoice documents
	/PBS/ME13	ME13	Display Purchasing Info Record
	/PBS/ME1L	ME1L	Purchasing Info Record via vendor
	/PBS/ME1M	ME1M	Purchasing Info Record via material
	/PBS/ME1W	ME1W	Purch. Info Record via mat. group
ZE23	/PBS/ME23	ME23	Display Purchase Order
	/PBS/ME23N	ME23N	Display Purchase Order (from 4.6B)
	/PBS/ME2B	ME2B	Purchasing Documents per Purchase Order (from 4.6C)
	/PBS/ME3B	ME3B	Purchasing Documents per Outline agreements (from 4.6C)
	/PBS/ME4B	ME4B	Purchasing Documents per Request for quotation (from 4.6C)
	/PBS/ME2C	ME2C	Purchase Order by Material Group
ZE2K	/PBS/ME2K	ME2K	Purch. Orders by Acc. Assignment
ZE2L	/PBS/ME2L	ME2L	Purchase Order by Vendor
ZE2M	/PBS/ME2M	ME2M	Purchase Order by Material
ZE2N	/PBS/ME2N	ME2N	Purchase order by PO Number
ZE33	/PBS/ME33	ME33	Display Outline Agreement
ZE33K	/PBS/ME33K	ME33K	Display Contract

	/PBS/ME33L	ME33L	Display Scheduling Agreement
	/PBS/ME3C	ME3C	Outl. Agreements by Material Group
ZE3N	/PBS/ME3N	ME3N	Outl. Agreements by Agreement No.
ZE3K	/PBS/ME3K	ME3K	Outl. Agreements by Acc. Assign.
ZE3L	/PBS/ME3L	ME3L	Outline Agreements per Vendor
ZE3M	/PBS/ME3M	ME3M	Outline Agreements by Material
ZE43	/PBS/ME43	ME43	Display Request for Quotation
	/PBS/ME4C	ME4C	Purch. Document per material group
ZE4L	/PBS/ME4L	ME4L	RFQs by Vendor
ZE4M	/PBS/ME4M	ME4M	RFQs by material
ZE4N	/PBS/ME4N	ME4N	RFQs by RFQ number
	/PBS/ME49	ME49	Price Comparison List (from 4.6C)
	/PBS/ME53	ME53	Display Purchase Requisition
	/PBS/ME53N	ME53N	Purchase requisition (from 4.6C)
	/PBS/ME5A	ME5A	Purchase Requisitions: List Display
	/PBS/ME5K	ME5K	Requisitions by Account Assignment
ZE90	/PBS/ME9A	ME9A	Message Output: RFQs
ZE90	/PBS/ME9E	ME9E	Msg. Output: Sch. Agmt. Schedules
ZE90	/PBS/ME9F	ME9F	Message Output: Purchase Orders
ZE90	/PBS/ME9K	ME9K	Message Output: Contracts
ZE90	/PBS/ME9L	ME9L	Message Output: Sched. Agreements
	/PBS/MIR4	MIR4	Invoice document (from 4.6C)
	/PBS/MIR6	MIR6	Invoice overview (from 4.6C)
	/PBS/ML81N	ML81N	Service Entry Sheet (from 4.6C)
	/PBS/MR11SHOW	MR11SHOW	Displ. account maintenance document
	/PBS/MR3M	MR3M	Invoice document (up to 4.6B)

**Table 1: Transactions of the PBS archive add on CMM and the corresponding SAP original transactions**

**Integration**

All transactions displaying archived data are analogue to the SAP transactions. This guarantees that the users can work immediately with the archive transactions without special training. Please see Table 1 for the names of the archive transactions. The transactions can be called by indicating the PBS transaction code or integrated in the menu 'Purchasing' (see chapter 1.1).



Not only in the single displays (/PBS/ME23, /PBS/ME33, /PBS/ME33K, /PBS/ME33L) but also in the list displays the documents from the PBS archive add on CMM are marked with the symbol '\*'.

Please keep in mind that, in contrast to the SAP original, the printing transactions /PBS/ME9A, /PBS/ME9E, /PBS/ME9F, /PBS/ME9K and /PBS/ME9L cannot be used to make updates on the database table NAST. The printout can be made with or without consideration of the message status. In the mode without consideration of the message status it is especially possible to print also SAP R/2 documents migrated to the PBS archive add on CMM.

You do not have to know the names of the transactions as all PBS transactions can be called via the menu.

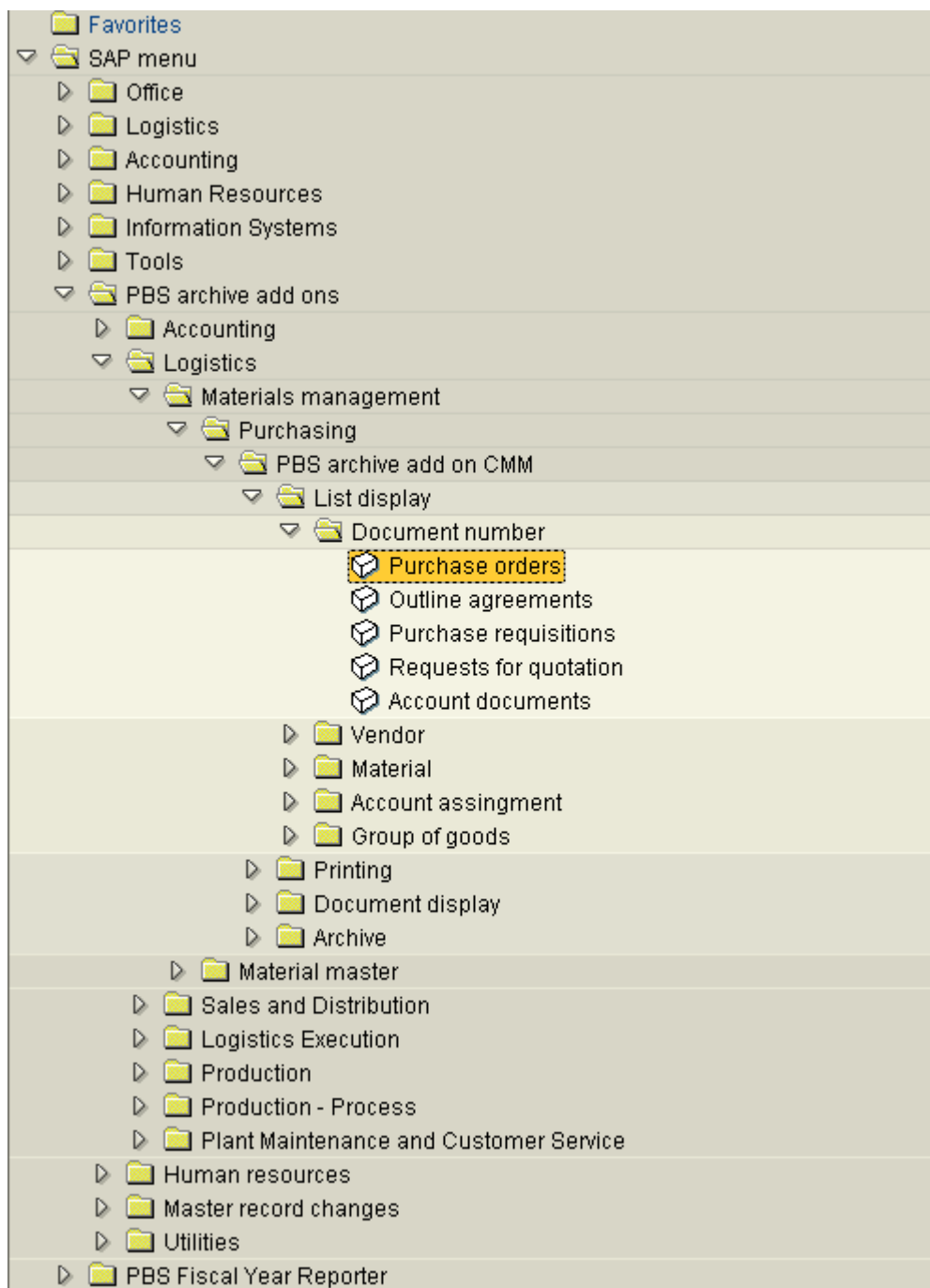


Diagram 1: Navigation via the 'Easy Access' menu

From 4.6 the main menu /PBS/PBS and menu /PBS/CMM (material management functions) can be integrated into the existing activity group (4.6B) or into roles (from 4.6C).

## 2.2 Transaction „Material Purchase Orders“

In this section we discuss the example of the archive transaction /PBS/ME2M, displaying the material purchase orders. The transactions /PBS/ME2L, /PBS/ME2N, /PBS/ME3L, and /PBS/ME3M are analogue in display and handling.

/PBS/ME2M

Diagram 2 shows the request screen of the transaction /PBS/ME2M.

**Purchasing Documents for Material**

Icons: Clock, Document, SAP Logo, Choose..., Fast selection

**Data source selection**

Material				
Plant		to		
Purchasing organization		to		
1=DB+Archive 2=DB 3=Archive	1			
Scope of list	BEST			
Selection parameters		to		
Document type		to		
Purchasing group		to		
Item category		to		
Account assignment category		to		
Delivery date		to		
Validity key date				
Range of coverage to				
Document number		to		
Vendor		to		
Supplying plant		to		
Material group		to		

**Diagram 2: Initial screen of transaction /PBS/ME2M**

Besides the standard delimitations, the screen mask contains a further delimitation specific for the archive add on.

**Select Data Source** The transaction /PBS/ME2M can display data from the archive and the SAP database. To select the data source please use the parameter '1=Arch. +Database 2=Db (=database) 3=Arch (=archive)'. By entering the corresponding number 1, 2 or 3. Vendor orders are displayed either from the R/3 database, the archive or both data sources. For example, if you search for all operations you should qualify this parameter with '3' as you can thus save database accesses to the SAP files and reduce the general load on the system.

**List** If all delimitations have been entered correctly, the system provides a list displaying the requested order regarding the material. Diagram 3 shows such a list.

Purchasing Documents for Material

Print Preview PO history Changes Delivery schedule Services

PO	Type	Vendor	Name	PGp	Order date
Item	Material	Short text		Mat. group	
D I A Plnt SLoc	Order qty.	Un	Net Price	Curr.	per Un
4500004870	FO	SRV-1	ABC Dienstleistungs GmbH	007	02.03.1998*
00010	Büro-Service			007	
X B U 1000		1 AU	500.000,00	DEM	1 AU
Still to be delivered		0 AU	0,00	DEM	0,00 %
Still to be invoiced		1 AU	499.500,00	DEM	99,90 %
4500004872	FO	SRV-1	ABC Dienstleistungs GmbH	001	03.03.1998
00010	Rahmenbestellung für Dienstleistungen			007	
D U 1000		1 AU	150.000,00	DEM	1 AU
Still to be delivered			0,00	DEM	0,00 %
Still to be invoiced			525,00	DEM	100,00 %
4500004879	FO	1101	ABC Dienstleistungs GmbH	007	05.03.1998
00010	Miete für Kopiergeräte			007	
D K 1000		1 AU	1.075,00	DEM	1 AU
Still to be delivered			0,00	DEM	100,00 %
Still to be invoiced			12.900,00	DEM	85,71 %
4500004871	NB	1010	Sunny Electronics GmbH	220	02.03.1998*
00010	M-06	Flatscreen MS 1460 P		00207	
L 2200 0001		100 PC	3.600,00	FRF	1 PC
In stockkeeping unit		100 PC	548,82	EUR	1 PC
Still to be delivered		0 PC	0,00	FRF	0,00 %
Still to be invoiced		0 PC	0,00	FRF	0,00 %
4500004874	NB	R3000	Allfresh Inc.	R30	05.03.1998*

**Diagram 3: List of transaction /PBS/ME2M.**

The list screen is analogue to the transaction ME2M, however, bears in addition the archived indicator.

**Archive Indicator** You can see from the last column if the displayed order is contained in the archive add on or in the SAP database. In the first case the last column contains the symbol "\*"; otherwise it is empty. Diagram 3 displays the data from the residence and from the archive add on.

*Document Display* By moving the cursor to a document and pressing the left mouse key twice, you branch off into the transaction 'Display Purchase Orders'. If the selected document is still in the SAP database you branch off to the SAP transaction ME23. If the selected order is contained in the archive you branch off to the transaction /PBS/ME23, displaying the archived document in analogy to the transaction ME23.

## 2.3 Transaction display 'Purchase Order'

Transaction /PBS/ME23N is used for detailed purchase order display. An example is shown in Diagram 4.

*Archive Indicator* In addition to the original transaction ME23N, the PBS transaction contains a field marked with ,A' in the first line. If the current purchase order is read from archive this field contains an '\*\*', otherwise it is empty.

Framework order 4500004870 Created by ECKERS

Document overview on | Print preview | Messages | Help | Personal setting

Framework order 4500004870 Vendor SRV-1 ABC Dienstleistungs GmbH Doc. date 02.03.1998 A

DeliveryInvoice | Conditions | Texts | Address | Communication | Partners | Additional data | Org. data | Status

Street/House number Robert-Bosch-Straße 114 Address details  
Postal code/City 66666 Mannheim  
Country DE Germany  
Telephone 0621 / 12-0 Extension  
Fax 1230001 Extension

S.	Item	A	I	Material	Short text	PO quantity	O...	C	Deliv. date	Net price	Curr...	Per	O...	Matl
	10	U	B		Büro-Service		1	AU	02.03.1998	500.000,00	DEM	1	AU	Servi

Item 10 | Büro-Service

Material data | Quantities/weights | Delivery schedule | Delivery | Invoice | Conditions | Purchase order history

Text	MVT	Material Do...	Item	Posting Date	Σ	Quantity	Delivery cost quantity	OUn	Σ	Amt.in loc.cur.	L.cur	Σ	Q
RE-L		5105601261	1	01.02.1998		1		0	AU	255,65	EUR		
Tr.ev. Invoice receipt						1		AU		255,65	EUR		

Diagram 4: Display of an archived purchase order

Document Overview

Diagram 5 illustrates that the PBS transaction shows purchase orders from database as well as archived purchase orders. The archived orders are again marked by a following asterisk.

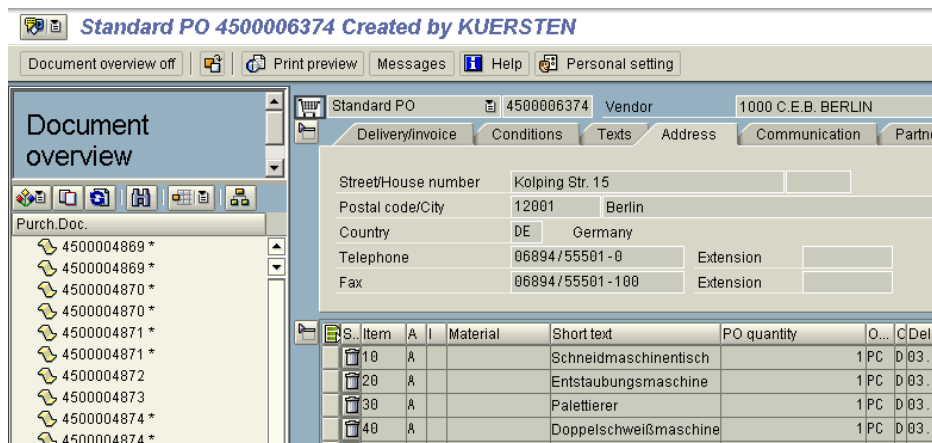


Diagram 5: /PBS/ME23N document overview

## 2.4 Printing of Documents from the PBS archive add on

There are two possibilities to print purchasing documents from your PBS archive add on CMM. On the one hand you can export your document via the transaction **/PBS/ME9F** to a printer. On the other hand, you can start directly the main report **/PBS/RM06ENDR\_ALV** of the transaction /PBS/ME9F.

**/PBS/ME9F**

You use this report to print documents of the PBS archive add on CMM. For this purpose, please enter the document number of the purchasing document you want to print. Diagram 6 shows the input mask of the report. The following screens show an example for the print preview of a document.

**Message Output**

Purch. doc. data

Document number	4500009275	to	4500009280
Vendor		to	
Purchasing organization		to	
Purchasing group		to	
Document type		to	
Document date		to	
1=DB*Archive 2=DB 3=Archive	1		

Consider message status ☐

Message data

Application	EF	
Message type		to
Transmission time-spot		
Processing status	0	
Creation date		
Time created	00:00:00	

Diagram 6: Selection screen of the print program /PBS/ME9F.

**Message Output**

Output message | Display message | **Message detail** | Trial printout

Purch. Doc.	Vendor	Name 1	P6r	Doc. date	A
Msg.	Lng	Partner	Role	Created on	Time
				Time	N
					User name
					Output Device
					Name
4500009275	NEU	EN	R300	DC	R300
				11.07.2000	09:01:35
				3	
					D020740
					LP01
					MM_002
4500009276	NEU	EN	R300	DC	R300
				11.07.2000	09:01:37
				3	
					D020740
					LP01
					MM_002
4500009277	NEU	EN	R300	DC	R300
				11.07.2000	09:01:39
				3	
					D020740
					LP01
					MM_002
4500009278	NEU	EN	R300	DC	R300
				11.07.2000	09:01:41
				3	
					D020740
					LP01
					MM_002
4500009279	NEU	DE	111	Blacks	A6
				13.07.2000	14:18:42
				3	
					FISCHER
					LP01
					MM_001
4500009280	NEU	EN	1096	Fabrics	Mixtli S.A.
				24.07.2000	12:12:43
				3	
					GROENEVELD
					LP01
					MM_001

Diagram 7: Transaction /PBS/ME9F output



Print Preview of LP01 Page 00001 of 00001

DC R300  
17632 Desert Road  
Los Angeles CA 98711

#### Stock transport order

PO number/date  
4500009275 / 07/11/2000  
Contact person/Telephone  
Retail Standard US

Your vendor number with us

Please deliver to:  
GM Store R310  
1 Wills Street  
San Francisco CA 94124

Currency USD

Item	Material	Description	Price per unit	Netvalue
Order qty.	Unit			
00010	R100027	Meyer's goulash soup		
	4,573	piece(s)		
	Int. Article No. (EAN/UPC) 2050000001086			
*** Item completely delivered ***				

Diagram 8: Purchase order print preview

## 2.5 Transaction „Purchase Requisition regarding Account Assignment“

In this section we discuss the example of the archive transaction /PBS/ME5K, displaying the purchase requisitions for the different account assignments. The transaction /PBS/ME5A (purchase requisitions regarding purchase requisition number respectively requisition note number) is analogue with regard to display and handling.

/PBS/ME5K

Diagram 9 shows the request screen of the transaction /PBS/ME5K.

**List Display of Purchase Requisitions**

Icons: [Clock] [Print] [Color] [Download]

Cost center	1000	to		[Arrow]
WBS element				
Order		to		[Arrow]
Asset		Sub-no.		
Sales document		Item		
Network		Trans.		
1=DB+Archive 2=DB 3=Archive	1			
Purchase requisition		to		[Arrow]
Material		to		[Arrow]
Material group		to		[Arrow]
Purchasing group		to		[Arrow]
Scope of list	A			
Plant		to		[Arrow]
Document type		to		[Arrow]
Item category		to		[Arrow]
Account assignment category		to		[Arrow]
Delivery date		to		[Arrow]
Release date		to		[Arrow]
Materials planner/controller		to		[Arrow]
Processing status		to		[Arrow]
Fixed vendor		to		[Arrow]
PReq. processing state		to		[Arrow]
Blocking indicator		to		[Arrow]
Requisitioner				
Short text				
Sort indicator	8			

☒ Assigned purchase requisitions  
☒ Closed requisitions  
☒ "Partly ordered" requisitions  
☐ Released requisitions only  
☒ Requisns. for overall release  
☒ Requisns. f. item-wise release

**Diagram 9: Initial screen of transaction /PBS/ME5K**

Besides the standard delimitations, the screen contains a further delimitation specifically for the PBS archive add on.



*Archive Indicator* You can see from the last column if the displayed order is in the PBS archive add on or in the SAP database. In the first case, the last column contains the symbol ‘\*’. Otherwise, the column is empty. **Diagram 10** therefore shows not only data from the database but also data from the PBS archive.

*Document Display* By moving the cursor to a document and pressing the left mouse key twice, you branch off into the transaction 'Display purchase requisitions' (/PBS/ME53).

## 2.6 Transaction 'Vendor Purchasing Info Records'

In this section we discuss archive transaction /PBS/ME1L showing the vendor purchasing info records as an example. Transactions /PBS/ME1M (material purchasing info records), /PBS/ME1W (material group purchasing info records), are similar regarding design and handling.

*/PBS/ME1L* Diagram 11 shows the request screen of transaction /PBS/ME1L

**Info Records Per Vendor**

Vendor: 1000 to [ ] [ ]

Material: [ ] to [ ] [ ]

Material group: [ ] to [ ] [ ]

Vendor material number: [ ] to [ ] [ ]

Vendor sub-range: [ ] to [ ] [ ]

Vendor material group: [ ] to [ ] [ ]

1=DB+Archive 2=DB 3=Archive: 1

Purchasing organization: [ ] to [ ] [ ]

Info category: [ ] to [ ] [ ]

Plant: [ ] to [ ] [ ]

Purchasing group: [ ] to [ ] [ ]

Price computations -----

☐ Include cash discount

☐ Include delivery costs

☐ Determine effective price

Restrictions -----

☐ Only those that are relevant

☐ Only plant-specific

☐ Only those flagged f. deletion

☒ Only with purchasing org. data

Diagram 11: Initial screen of transaction /PBS/ME1L

In addition to the standard delimitations, the screen mask contains another delimitation which is specifically for the PBS archive add on.

*Sel. Data Source*

Transaction /PBS/ME1L can display the data from the archive and the SAP database. For the selection of the data source parameter '1=DB+Archive 2=DB (=database) 3=Archive' is used. By entering the corresponding number 1, 2, or 3 the vendor purchasing info records are either displayed from the R/3 database, the archive or from both data sources. For example, when searching for old operations this parameter should be qualified with '3', as you can thus save database accesses to the SAP files and reduce the general load on the system.

*List*

If all delimitations have been entered correctly, the system provides a list displaying the requested vendor purchasing info records. Diagram 12 shows such a list.

Purchasing Info Records for Vendor										
Vendor		1000	C.E.B. BERLIN							
Material	Material short text				Info rec		De	A		
P.Org	InfoCat	Plnt	P6p	Plan time	Minimum qty.	Un	Var			
Price origin	Net price	Currency	Qty.	Un	Document	Item	QDp			
101-100	casing	101			5300000143					*
<input type="checkbox"/> 1	Subcontracti	001	10	Days	0	PC	1	X		
Condition	15,00	DEM			1	PC	Net		31.12.9999	
Pur. order	15,00	DEM			1	PC	4500000037	00010	28.11.1994	
40-110C	40 W clear	220-235V	e27	MIG Ca	5300000031					*
<input type="checkbox"/> 1	Standard	001	5	Days	0	PC		X		
Condition	1,00	DEM			100	PC	Net		15.11.1994	
XX-230					5300000137			X		*
<input type="checkbox"/> 1	Standard	001	5	Days	0	PC		X		
Condition	2,00	DEM			100	PC	Net		17.11.1994	
XX-240					5300000125			X		*
<input type="checkbox"/> 1	Standard	003	5	Days	0	KG		X		
Condition	10,00	DEM			1	KG	Net		16.11.1994	

Diagram 12: List of transaction /PBS/ME1L

## 2.7 Transaction “Invoice Documents”

The transaction /PBS/CMM13 displays invoice documents residing in archive as well as in database.

/PBS/CMM13

Diagram 13 shows the request screen of transaction /PBS/CMM13.

**Fast display invoice documents**

☒ Documents sequential

Index	from	to
<input type="radio"/> Document number		
<input type="radio"/> Posting date		
<input type="radio"/> Vendor		
<input type="radio"/> Purchase number		
<input type="radio"/> Material		

Upper limit for reading accesses: 10.000

1=DB+Archive 2=DB 3=Archive: 1

**Diagram 13: Initial screen of transaction /PBS/CMM13**

*Select data source*

The data source can be selected with the parameter 1=DB + Archive, 2=DB and 3=Archive. Then the resulting list contains data either from database or from archive or from both data sources which corresponds to the entered selection criteria (document number, posting date, vendor, purchase number or material).

*List*

Diagram 14 shows a list of invoice documents originated by transaction /PBS/CMM13. Via double-click you can branch to transaction /PBS/MIR4, whose functionality is similar to the SAP transaction MIR4.

**Fast display invoice documents**

Document display

08.09.2003 Fast display invoice documents

BeInr	FyearBA	BuDat	User	RefBeInr	Bkrs	Waers	Vendor	No.	A
5105611268	1998	RE 05.03.1998	D020740		R300	USD	R3002		
5105611269	1998	RE 05.03.1998	D020740		R300	USD	R3003		
5105611270	1998	RE 05.03.1998	ECKERS		1000	DEM	1101		
5105611271	1998	RE 05.03.1998	D020740		R300	USD	R3000		
5105611272	1998	RE 05.03.1998	D020740		R300	USD	R3000		
5105611273	1998	RE 05.03.1998	D020740		R300	USD	R3002		
5105611274	1998	RE 02.02.1998	ECKERS		1000	DEM	1103		
5105603810	2000	RE 03.08.2000	HAMED		R300	USD	R3002		*
5105603811	2000	RE 03.08.2000	HAMED		R300	USD	R3002		*
5105603812	2000	RE 03.08.2000	HAMED		R300	USD	R3002		*

Diagram 14: Transaction /PBS/CMM13 list

/PBS/MIR4

Diagram 15 displays an archived invoice document using transaction /PBS/MIR4.

**Display Invoice Document 5105603812 2000**

Show PO structure | Follow-on documents

Transaction: Invoice | 5105603812 | 2000

Basic data | Payment | Details | Tax | Contacts | Note

Invoice date: 03.08.2000 | Reference: |  
 Posting Date: 03.08.2000  
 Amount: 15.611,00 | USD | ☒ Calculate tax  
 Tax amount: 0,00 | 00 (dummy) |  
 Text: |  
 Paymt terms: Due immediately  
 Baseline date: 26.04.2000  
 Company Code: R300 IDES Retail INC US Los Angeles

Vendor R3002  
 Meyer Hardware Inc.  
 PO Box 26268  
 HOT SPRINGS 56272  
 UNITED STATES  
 501-321-3443  
 Bank acct: 8282828376  
 PNC

Layout | PO - Jurisdiction Code

Item	Purchase...	It...	PO text	Quantity	O...	Net price	OPUN	Amount	S	Tax code	Jurisdct. Code
	145000093	10	Skateboard "Hells B...	233	PC	67,00	PC	15.611,00+	00	(du...	C00000000

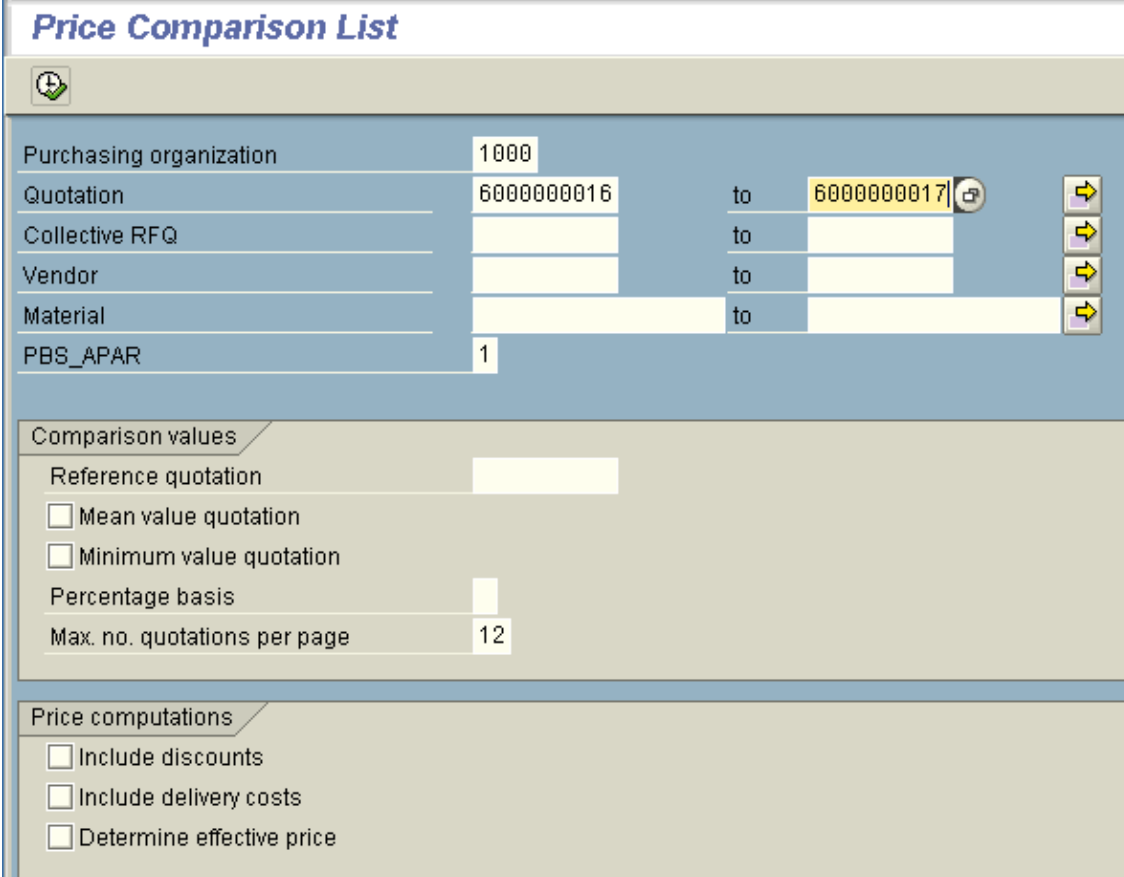
Diagram 15: Invoice document displayed with transaction /PBS/MIR4

## 2.8 Transaction “Display Account Maintenance Document”


Since SAP R/3 release 4.6C the transaction /PBS/MR11SHOW is a new component of the PBS archive add on CMM. This transaction allows the display of account maintenance documents from archive and from database.


/PBS/MR11SHOW





**Price Comparison List**



Purchasing organization	1000		
Quotation	60000000016	to	60000000017 
Collective RFQ		to	
Vendor		to	
Material		to	
PBS_APAR	1		

**Comparison values**

Reference quotation

☐ Mean value quotation

☐ Minimum value quotation

Percentage basis

Max. no. quotations per page 12

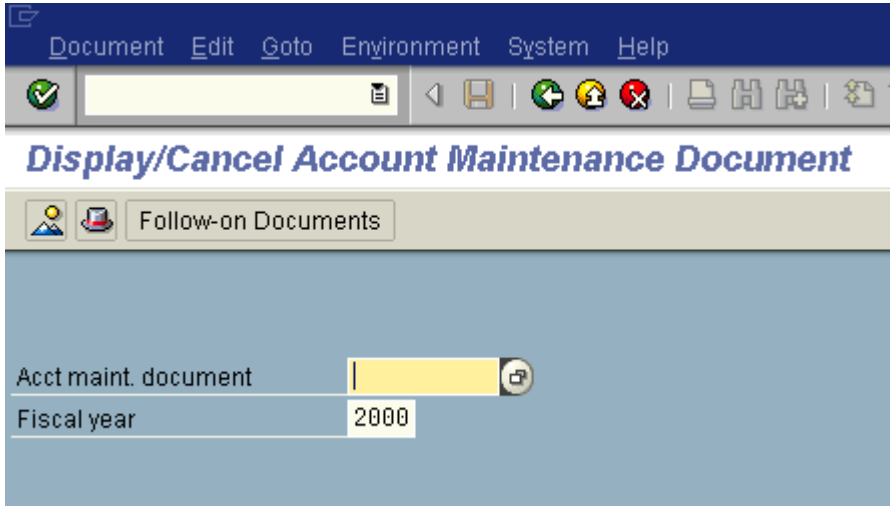
**Price computations**


☐ Include discounts












☐ Include delivery costs

☐ Determine effective price



Diagram 18 shows the initial screen of transaction /PBS/MR11SHOW.




 Document Edit Goto Environment System Help

**Display/Cancel Account Maintenance Document**

  Follow-on Documents

Acct maint. document  

Fiscal year 2000

Diagram 16: Initial screen of transaction /PBS/MR11SHOW

List

Diagram 19 shows an account maintenance document from the archive displayed with transaction /PBS/MR11SHOW. With button "Purchase Order" you can branch to transaction /PBS/ME23N.

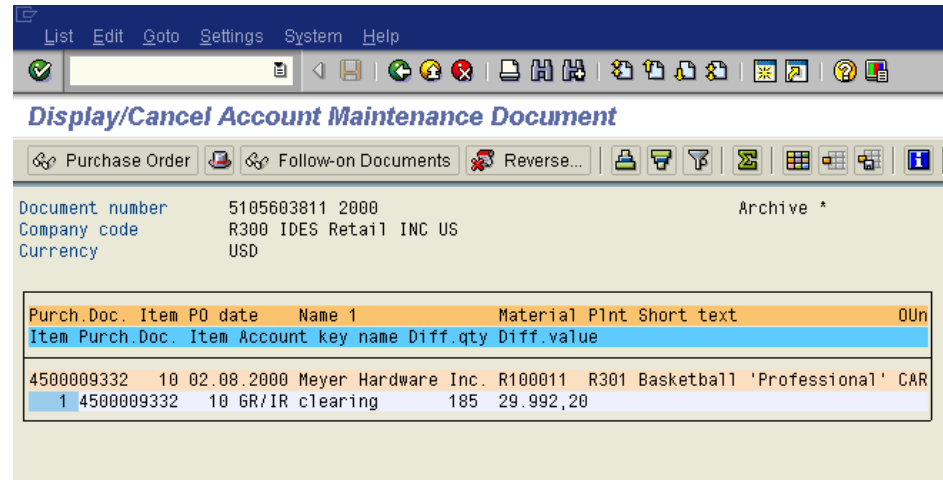


Diagram 17: List output of transaction /PBS/MR11SHOW

## 2.9 Transaction “Price Comparison List”

Since PBS R/3 release 4.6C the transaction /PBS/ME49 is a new component of the PBS archive add on CMM. This transaction allows the comparison of Quotations in a Purchasing organization from archive and from database.

Diagram 18 shows the initial screen of transaction /PBS/ME49.

The screenshot displays the 'Price Comparison List' transaction screen. The title bar at the top reads 'Price Comparison List'. Below the title bar is a navigation icon. The main area is divided into several sections:

- Purchasing organization:** 1000
- Quotation:** 60000000016 to 60000000017 (with a magnifying glass icon and a right arrow button)
- Collective RFQ:** (empty field) to (empty field) (with a right arrow button)
- Vendor:** (empty field) to (empty field) (with a right arrow button)
- Material:** (empty field) to (empty field) (with a right arrow button)
- PBS\_APAR:** 1

Below these fields is a section titled 'Comparison values' with the following options:

- ☐ Reference quotation
- ☐ Mean value quotation
- ☐ Minimum value quotation
- ☐ Percentage basis
- Max. no. quotations per page:** 12

At the bottom is a section titled 'Price computations' with the following options:

- ☐ Include discounts
- ☐ Include delivery costs
- ☐ Determine effective price

Diagram 188: Initial screen of transaction /PBS/ME49

Diagram's 19 shows a comparison list of the selected Quotation in the given currency. The listing will vary depending on the Quotation selection in Diagram 18.

<b>Price Comparison List in Currency EUR</b>			
<div> <div> <div>◀</div> <div>▶</div> <div>◀▶</div> <div>◀▶</div> </div> <div>Services</div> <div>Level 4</div> <div>Additional info</div> </div>			
Material Mat. group	Quotation:	6000000016 *	6000000017
Short text	Bidder:	1000	1010
Quantity in base unit	Name:	C.E.B. BERLIN	Sunny Electronics
007	Value:	800,00	838,52
Dienstleistungspositio	Price:	800,00	838,52
Srv. specs 1 AU	Rank:	1 98 %	2 102 %
Total Quotation	Value:	800,00	838,52
	Rank:	1 98 %	2 102 %

**Diagram 199: Services listing output**

The "Services" listing with more than one selection can only be made when the Quotations are compatible with one another .

Diagram 20 shows the Service Specifications of the selected "Services"

<b>Price Compar. List in Currency EUR: Service Specifications</b>			
<div> <span>⏪</span> <span>⏴</span> <span>⏵</span> <span>⏩</span> <span>📄</span> Services           <span>📄</span> Services           <span>📄</span> Additional info         </div>			
Page 1			
Dienstleistungsposition			
Item	Line type		
Service		Quot. item:	60000000016 * 60000000017 10
Short text		Bidder:	1000 1010
Qty		Name:	C.E.B. BERLIN Sunny Electronics
10			
ELEC01		Value:	400,00 399,98
Elektroinstallation 01		Price:	200,00 199,99
2 AU		Rank:	2 100 % 1 100 %
20			
ELECTRIC		Value:	400,00 438,54
Elektroinstallation 04		Price:	200,00 219,27
2 AU		Rank:	1 95 % 2 105 %
Total services		Value:	800,00 838,52
		Rank:	1 98 % 2 102 %

Diagram 20: Service Specifications

Diagram 21: Additional information on selected RFQ's

It is possible to see the additional information from the selected Quotations by selecting the "Additional info" button in Diagram 19 and 20.

<i>Additional Information on Selected RFQs</i>			
Additional information on selected quotations			
Quotation:	60000000016	Bidder:	1000
dated:	01.12.2004		C.E.B. BERLIN
Currency:	EUR		12002
Berlin			
Payment conditions			
Within 14 days 3 % cash discount			
Within 30 days 2 % cash discount			
Within 45 days Due net			
Terms of delivery			
EXW			
Quotation:	60000000017	Bidder:	1010
dated:	01.12.2004		Sunny Electronics GmbH
Currency:	EUR		72345
Stuttgart			
Payment conditions			
Within 14 days 3 % cash discount			
Within 30 days 2 % cash discount			
Within 45 days Due net			
Terms of delivery			
EXW Stuttgart			

Diagram 21: Service Specifications

## 3 Adjustment of Customer Reports

### 3.1 Logical Databases

If you want to write your own evaluations for purchasing documents from the residence and the PBS archive add on CMM or if you want to extend already existing evaluations to the PBS archive add on, the following logical databases are available:

/PBS/EKM	-	purchase order re account assignment
/PBS/ENM	-	purchase order re purchase order number
/PBS/ECM	-	purchase order re material group
/PBS/ELM	-	purchase order re vendor number
/PBS/EMM	-	purchase order re material number
/PBS/IFM	-	purchasing info records
/PBS/BAM	-	purchase requisition re purchase requisition number
/PBS/BKM	-	purchase requisition re account assignment
/PBS/YAM	-	SAP archive sequentially
/PBS/MEPOLDP	-	selection of purchasing tables (from 4.6B)

In all cases, it is also possible to delimit the selection to the PBS archive add on.

### 3.2 Access via Conversion Tool

ABAP reports, accessing the R/3 database via the SELECT command, can be modified with the PBS Conversion Tool in a way that they can also access the data from the PBS archive add on. For this purpose, function module **/PBS/SELECT\_INTO\_TABLE** (respectively 3.x: SELECT\_PBS\_INTO\_TABLE) is used, accessing the PBS archive add on and returning in an internal table the data records of the requested table.

For more details, please see the manual **PBS Conversion Tool**.

## 4 SAP Queries

The PBS archive add on CMM includes pre-configured “Queries“ which are displayed with their respective user group, infoset and logical database in table 2.

User Group	Infoset	Query	Log. database
/PBS/ME	/PBS/MEPO	MEPO	/PBS/MEPOLDB
	/PBS/MEBANF	MEBANF	/PBS/BAM

**Table 2: Pre-configured SAP Queries**

These queries easily allow the selection of archived purchase orders and archived purchase requisitions via the SAP transaction SQ01. Furthermore, they enable the display via the SAP List Viewer and the transport of the resulting list to a Microsoft Excel sheet (see Diagram 20). The example illustrates that archived purchase orders are also displayed with the PBS archive indicator ‘\*\*’ and that the indicator is transferred to the resulting Excel sheet.



Purchasing documents

SAP

Navigation icons: back, forward, search, etc.

Purchasing documents

Navigation icons: print, save, etc.

Purchasing documents

Purch. doc.	Item	Material group	Material	Short text	Vendor	Vendor name	SPLT	CoCd	POrg	POR	Plant	GLOC.	Doc. date	Type	C	Created by	G	Trackit
4500004874*	00010	R11111	R100000	Yoghurt ali natural	R3000	Affresh Inc.		R300	R300	R30	R300	R300	0001	05.03.1998	NB	F	D020740	
4500004874*	00020	R11111	R100001	Fauna margarine	R3000	Affresh Inc.		R300	R300	R30	R300	R300	0001	05.03.1998	NB	F	D020740	
4500004874*	00010	R11111	R100009	Screwdriver (cross-head)	R3002	Meyer Hardware Inc.		R300	R300	R30	R301	R301	0001	05.03.1998	NB	F	D020740	
4500004874*	00020	R11111	R100010	Hammer, 20 oz framing	R3002	Meyer Hardware Inc.		R300	R300	R30	R301	R301	0001	05.03.1998	NB	F	D020740	
4500004874*	00030	R11111	R100011	Basketball "Professional"	R3002	Meyer Hardware Inc.		R300	R300	R30	R301	R301	0001	05.03.1998	NB	F	D020740	
4500004874*	00040	R11111	R100012	Skateboard "Hells Belis"	R3002	Meyer Hardware Inc.		R300	R300	R30	R301	R301	0001	05.03.1998	NB	F	D020740	
4500004874*	00050	R11111	R100016	Tuner X300	R3002	Meyer Hardware Inc.		R300	R300	R30	R301	R301	0001	05.03.1998	NB	F	D020740	

4500004877\* 00000 Microsoft Excel - Tabelle von Basis (1)

4500004877\* 00010 R1141 R100016

4500004877\* 00011 R1141 R100016001

4500004877\* 00012 R1141 R100018002

4500004877\* 00013 R1141 R100018003

4500004877\* 00014 R1141 R100018004

4500004877\* 00015 R1141 R100018005

4500004877\* 00016 R1141 R100018006

Buttons: Daten bearbeiten, Ansicht, Einfügen, Format, Extras, Daten, Erweiter, Acrobat

Buttons: A1, P, X

**Diagram 20: Data selection via the “MEPO“ query of infoset /PBS/MEPO and transfer to Microsoft Excel**